

Freeform Search

Database:	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins
Term:	L25
Display:	10 Documents in Display Format: TI Starting with Number 1
Generate:	<input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image

Search Clear Interrupt

Search History

DATE: Tuesday, November 09, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L30 L25 5 L30

DB=PGPB,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L29 L25 339 L29

DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L28 L24 38 L28

DB=PGPB,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L27 L26 and (heigh\$ or altitud\$) 36 L27

L26 L25 and ((turn\$ or rotat\$) with degree\$) 53 L26

L25 L24 and (wire\$ or cell\$) 339 L25

L24 gps and map\$ and compass\$ and @pd<=20031211 440 L24

L23 L1 and gps and map\$ and @pd<=20031211 0 L23

L22 L1 and gps and map\$ and compass\$ and @pd<=20031211 0 L22

L21 L18 and gps and map\$ and @pd<=20031211 0 L21

L20 L18 and gps and map\$ and compass\$ and @pd<=20031211 0 L20

L19 L18 gps and map\$ and compass\$ and @pd<=20031211 440 L19

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

<u>L18</u>	L17 and (wire\$ or cell\$)	4	<u>L18</u>
<u>L17</u>	L16 and compass\$ and map\$	6	<u>L17</u>
<u>L16</u>	L3 and ((turn\$ or rotat\$) with degree\$)	27	<u>L16</u>
<u>L15</u>	L14 and compass\$ and map\$	2	<u>L15</u>
<u>L14</u>	l12 not L13	12	<u>L14</u>
<u>L13</u>	L12 and (heigh\$ or altitud\$)	3	<u>L13</u>
<u>L12</u>	L9 and (wire\$ or cell\$)	15	<u>L12</u>
<u>L11</u>	L10 and (wire\$ or cell\$)	0	<u>L11</u>
<u>L10</u>	L9 and l2	0	<u>L10</u>
<u>L9</u>	L1 and mapquest\$	21	<u>L9</u>
<u>L8</u>	L7 and l4	0	<u>L8</u>
<u>L7</u>	L2 and (("location-base") or (location adj base))	5	<u>L7</u>
<u>L6</u>	L4 not l5	6	<u>L6</u>
<u>L5</u>	L4 and map\$ and compass\$	2	<u>L5</u>
<u>L4</u>	L3 and (rat\$ with servic\$)	8	<u>L4</u>
<u>L3</u>	L2 and l1	349	<u>L3</u>
<u>L2</u>	701/? .ccls.	1836	<u>L2</u>
<u>L1</u>	gps and @ad<=20031211	21972	<u>L1</u>

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L30: Entry 2 of 5

File: DWPI

Feb 11, 2004

US 6366856

DERWENT-ACC-NO: 2002-402519

DERWENT-WEEK: 200429

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TITLE: Mobile device for rental car, has controller which calculates map offset value showing difference between heading fix output from GPS receiver and orientation of map

INVENTOR: JOHNSON, P

PATENT-ASSIGNEE:

ASSIGNEE

CODE

QUALCOMM INC

QUALN

PRIORITY-DATA: 2000US-0718267 (November 21, 2000)

Search Selected

Search ALL

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> CN 1474934 A	February 11, 2004		000	G01C021/20
<input type="checkbox"/> US 6366856 B1	April 2, 2002		010	G01S005/02
<input type="checkbox"/> WO 200242717 A2	May 30, 2002	E	000	G01C000/00
<input type="checkbox"/> AU 200241553 A	June 3, 2002		000	G01S005/02
<input type="checkbox"/> EP 1336078 A2	August 20, 2003	E	000	G01C021/20
<input type="checkbox"/> KR 2003051856 A	June 25, 2003		000	H04B007/26

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1474934A	November 14, 2001	2001CN-0819212	
US 6366856B1	November 21, 2000	2000US-0718267	
WO 200242717A2	November 14, 2001	2001WO-US45347	
AU 200241553A	November 14, 2001	2002AU-0041553	
AU 200241553A		WO 200242717	Based on

EP 1336078A2	November 14, 2001	2001EP-0988225	
EP 1336078A2	November 14, 2001	2001WO-US45347	
EP 1336078A2		WO 200242717	Based on
KR2003051856A	May 21, 2003	2003KR-0706851	

INT-CL (IPC): G01 C 0/00; G01 C 21/00; G01 C 21/20; G01 S 5/02; G01 S 5/14; G09 B 29/10; H04 B 7/26

ABSTRACTED-PUB-NO: US 6366856B
BASIC-ABSTRACT:

NOVELTY - A controller connected to a map memory, a GPS receiver and a compass, recalls a map, calculates a heading fix based on output of the receiver and reads a compass heading. The controller calculates the map offset value showing difference between heading fix and the orientation of the map. If the heading fix is unavailable, then offset value showing difference between compass heading and the orientation of the map, is calculated.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for map display orienting method.

USE - Mobile device e.g. cellular or PCS telephone for use in rental cars.

ADVANTAGE - Enables effectively updating map orientation.

DESCRIPTION OF DRAWING(S) - The figure explains the operation of mobile device.

CHOSEN-DRAWING: Dwg.5/5

TITLE-TERMS: MOBILE DEVICE RENT CAR CONTROL CALCULATE MAP OFFSET VALUE DIFFER HEADING FIX OUTPUT GROUP RECEIVE ORIENT MAP

DERWENT-CLASS: P85 S02 W01 W06 X22

EPI-CODES: S02-B08C; S02-B08E; W01-C01D3B; W01-C05B5C; W06-A03A; X22-E06B; X22-P05X;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N2002-315656

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L30: Entry 3 of 5

File: DWPI

Jul 3, 2002

DERWENT-ACC-NO: 2002-234321

DERWENT-WEEK: 200302

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TITLE: Personal navigating system and method therefor

INVENTOR: KIM, D G

PATENT-ASSIGNEE:

ASSIGNEE

CODE

IMDB INC

IMDBN

PRIORITY-DATA: 2001KR-0047524 (August 7, 2001)

[Search Selected](#)[Search ALL](#)[Clear](#)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> KR 342722 B	July 3, 2002		000	H04Q007/38
<input type="checkbox"/> KR 2001099007 A	November 9, 2001		001	H04Q007/38

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR 342722B	August 7, 2001	2001KR-0047524	
KR 342722B		KR2001099007	Previous Publ.
KR2001099007A	August 7, 2001	2001KR-0047524	

INT-CL (IPC): [H04 Q 7/38](#)

ABSTRACTED-PUB-NO: KR2001099007A

BASIC-ABSTRACT:

NOVELTY - A personal navigating system(PNS) and a method therefor are provided to easily confirm a moving path to a target point by continuously providing path information to the target point through a mobile communication terminal having a GPS(Global Positioning System) function.

DETAILED DESCRIPTION - A personal mobile communication terminal(100) has a GPS function. A mobile network company system(200) connects the personal mobile communication terminal(100) to the Internet for supporting a wireless data communication. A mobile compass server(300) responds to a navigating request from the personal mobile communication terminal(100) connected through the Internet, and provides information regarding a current position of the personal mobile communication terminal(100) and optimum path information as to a desired

destination to the personal mobile communication terminal(100) using data regarding map and geographical information.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: PERSON NAVIGATION SYSTEM METHOD

DERWENT-CLASS: W01

EPI-CODES: W01-B05A;

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: KR 2003021783 A

Using default format because multiple data bases are involved.

L30: Entry 1 of 5

File: DWPI

Mar 15, 2003

DERWENT-ACC-NO: 2003-501354

DERWENT-WEEK: 200347

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TITLE: Mobile communication terminal supporting simple navigation function and method for controlling the same

INVENTOR: KIM, M B

PRIORITY-DATA: 2001KR-0055200 (September 7, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2003021783 A	March 15, 2003		001	H04B007/26

INT-CL (IPC): H04 B 7/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 2. Document ID: CN 1474934 A, US 6366856 B1, WO 200242717 A2, AU 200241553 A, EP 1336078 A2, KR 2003051856 A

L30: Entry 2 of 5

File: DWPI

Feb 11, 2004

DERWENT-ACC-NO: 2002-402519

DERWENT-WEEK: 200429

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TITLE: Mobile device for rental car, has controller which calculates map offset value showing difference between heading fix output from GPS receiver and orientation of map

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 3. Document ID: KR 342722 B, KR 2001099007 A

L30: Entry 3 of 5

File: DWPI

Jul 3, 2002

DERWENT-ACC-NO: 2002-234321
DERWENT-WEEK: 200302
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TITLE: Personal navigating system and method therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 4. Document ID: WO 9801769 A1, IT 1286178 B

L30: Entry 4 of 5

File: DWPI

Jan 15, 1998

DERWENT-ACC-NO: 1998-101208
DERWENT-WEEK: 200043
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TITLE: Stolen vehicle locating system using GPS - has GPS receiver, gyro, computing and communication systems on board both target and seeking vehicles, with archived geographical map also on seeker

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 5. Document ID: CH 684288 A5

L30: Entry 5 of 5

File: DWPI

Aug 15, 1994

DERWENT-ACC-NO: 1994-249749
DERWENT-WEEK: 199431
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TITLE: Navigational appts. incorporated in vehicle dashboard - automatically applies navigational angle in form of luminous reflections on windscreen, in which direction of destination is established using compass and computer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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Search Results - Record(s) 1 through 10 of 36 returned.☐ 1. Document ID: US 20030227476 A1**Using default format because multiple data bases are involved.**

L27: Entry 1 of 36

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030227476

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030227476 A1

TITLE: Distinguishing real-world sounds from audio user interface sounds

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	
Tucker, Roger Cecil Ferry	Chepstow		GB	
Coles, Alistair Neil	Bath		GB	

US-CL-CURRENT: 715/727

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20030191568 A1

L27: Entry 2 of 36

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191568

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191568 A1

TITLE: Method and system for controlling a vehicle

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	

US-CL-CURRENT: 701/36; 340/438, 701/213

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20030138132 A1

L27: Entry 3 of 36

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030138132
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030138132 A1

TITLE: Vehicle lamp control

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stam, Joseph S.	Holland	MI	US	
Bechtel, Jon H.	Holland	MI	US	
Reese, Spencer D.	Fort Wayne	IN	US	
Roberts, John K.	East Grand Rapids	MI	US	
Tonar, William L.	Holland	MI	US	
Poe, G. Bruce	Hamilton	MI	US	

US-CL-CURRENT: 382/104

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 4. Document ID: US 20030138131 A1

L27: Entry 4 of 36

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030138131
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030138131 A1

TITLE: Vehicle lamp control

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stam, Joseph S.	Holland	MI	US	
Bechtel, Jon H.	Holland	MI	US	
Reese, Spencer D.	Fort Wayne	IN	US	
Roberts, John K.	East Grand Rapids	MI	US	
Tonar, William L.	Holland	MI	US	
Poe, G. Bruce	Hamilton	MI	US	

US-CL-CURRENT: 382/104

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20030128182 A1

L27: Entry 5 of 36

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030128182

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030128182 A1

TITLE: Virtual mirror

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Donath, Max	St. Louis Park	MN	US	
Shankwitz, Craig R.	Minneapolis	MN	US	
Cheng, Pi-Ming	Roseville	MN	US	
Pardhy, Sameer	Shoreview	MN	US	

US-CL-CURRENT: 345/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20030122930 A1

L27: Entry 6 of 36

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030122930

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030122930 A1

TITLE: Vehicular vision system

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schofield, Kenneth	Holland	MI	US	
Larson, Mark L.	Grand Haven	MI	US	
Vadas, Keith J.	Coopersville	MI	US	

US-CL-CURRENT: 348/148; 348/149

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 20030120183 A1

L27: Entry 7 of 36

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030120183
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030120183 A1

TITLE: Assistive clothing

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Simmons, John C.	Germantown	TN	US	

US-CL-CURRENT: 600/595

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 8. Document ID: US 20030114984 A1

L27: Entry 8 of 36

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114984
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030114984 A1

TITLE: Walking stick navigator for position determination

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Scherzinger, Bruno	Richmond Hills		CA	

US-CL-CURRENT: 701/216; 342/358, 701/213

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 9. Document ID: US 20030111268 A1

L27: Entry 9 of 36

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030111268
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030111268 A1

TITLE: Underground boring machine employing navigation sensor and adjustable steering

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Alft, Kevin L.	Pella	IA	US	
Draper, Gregory W.	Pella	IA	US	
Kelpe, Hans	Pella	IA	US	

US-CL-CURRENT: 175/73; 175/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
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☐ 10. Document ID: US 20030103651 A1

L27: Entry 10 of 36

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030103651

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030103651 A1

TITLE: Photogrammetric apparatus

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Novak, Kurt	Dublin	OH	US	

US-CL-CURRENT: 382/106; 382/255, 382/291

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
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36

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Search Results - Record(s) 11 through 20 of 36 returned.☐ 11. Document ID: US 20030095669 A1**Using default format because multiple data bases are involved.**

L27: Entry 11 of 36

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030095669

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030095669 A1

TITLE: Audio user interface with dynamic audio labels

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belrose, Guillaume	Bristol		GB	
Squibbs, Robert Francis	Bristol		GB	

US-CL-CURRENT: [381/56](#); [381/326](#), [381/61](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 12. Document ID: US 20030095668 A1

L27: Entry 12 of 36

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030095668

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030095668 A1

TITLE: Audio user interface with multiple audio sub-fields

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	
Squibbs, Robert Francis	Bristol		GB	

US-CL-CURRENT: [381/56](#); [381/326](#), [381/61](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 13. Document ID: US 20030087107 A1

L27: Entry 13 of 36

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087107
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030087107 A1

TITLE: Electrochromic polymeric solid films, manufacturing electrochromic devices using such solid films, and processes for making such solid films and devices

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Varaprasad, Desaraju V.	Holland	MI	US	
Zhao, Mingtao	Holland	MI	US	
Dornan, Craig Allen	Grand Haven	MI	US	
Agrawal, Anoop	Tucson	AZ	US	
Allemand, Pierr-Marc	Tucson	AZ	US	
Lynam, Niall R.	Holland	MI	US	

US-CL-CURRENT: 428/432; 359/273, 359/275, 428/442

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 14. Document ID: US 20030083804 A1

L27: Entry 14 of 36

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030083804
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030083804 A1

TITLE: Computer human methods for the control and management of an airport

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pilley, Harold R.	Gillette	NJ	US	
Wortley, Lois	Leominster	MA	US	

US-CL-CURRENT: 701/120; 342/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 15. Document ID: US 20030076343 A1

L27: Entry 15 of 36

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076343
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030076343 A1

TITLE: Handedness detection for a physical manipulatory grammar

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fishkin, Kenneth P.	Redwood City	CA	US	
Harrison, Beverly L.	Palo Alto	CA	US	
Mochon, Carlos	Boston	MA	US	
Want, Roy	Los Altos	CA	US	

US-CL-CURRENT: 715/701; 345/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 16. Document ID: US 20030055562 A1

L27: Entry 16 of 36

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055562
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030055562 A1

TITLE: GLOBAL POSITIONING SYSTEM ROADSIDE INTEGRATED PRECISION POSITIONING SYSTEM

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Levy, Larry J.	Columbia	MD	US	
Thompson, Thomas	Silver Springs	MD	US	
Hohman, David S.	Woodbine	MD	US	
Murdock, Thomas M.	Eldersburg	MD	US	
Westerfield, Edwin E.	Silver Spring	MD	US	
Hattox, Thomas M.	Silver Springs	MD	US	
Kusterer, Thomas L.	Elkridge	MD	US	

US-CL-CURRENT: 701/214; 701/213

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 17. Document ID: US 20030018477 A1

L27: Entry 17 of 36

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030018477
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030018477 A1

TITLE: Audio User Interface

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hinde, Stephen John	Bristol		GB	

US-CL-CURRENT: 704/273

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 18. Document ID: US 20020198632 A1

L27: Entry 18 of 36

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020198632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020198632 A1

TITLE: Method and arrangement for communicating between vehicles

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	
Lukin, Kostyantyn Alexandrovich	Kharkov		UA	
Konovalov, Vladymyr Michailovich	Kharkov		UA	

US-CL-CURRENT: 701/1; 701/213

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 19. Document ID: US 20020191409 A1

L27: Entry 19 of 36

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020191409
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020191409 A1

TITLE: Modular rearview mirror assembly

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deline, Jonathan E.	Holland	MI	US	
Veldman, Roger L.	Holland	MI	US	
Lynam, Niall R.	Holland	MI	US	

US-CL-CURRENT: 362/494; 362/140

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 20. Document ID: US 20020176054 A1

L27: Entry 20 of 36

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020176054

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020176054 A1

TITLE: Reflective liquid-crystal-on-silicon projection engine architecture

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mihalakis, George M.	Milpitas	CA	US	

US-CL-CURRENT: 353/31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Search Results - Record(s) 21 through 30 of 36 returned.

☐ 21. Document ID: US 20020167589 A1**Using default format because multiple data bases are involved.**

L27: Entry 21 of 36

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020167589

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020167589 A1

TITLE: REARVIEW VISION SYSTEM FOR VEHICLE INCLUDING PANORAMIC VIEW

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SCHOFIELD, KENNETH	HOLLAND	MI	US	
LARSON, MARK	GRAND HAVEN	MI	US	
VADAS, KEITH	COOPERSVILLE	MI	US	

US-CL-CURRENT: 348/148

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 22. Document ID: US 20020156633 A1

L27: Entry 22 of 36

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156633

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020156633 A1

TITLE: Facilitation of speech recognition in user interface

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hickey, Marianne	Bristol		GB	
Brittan, Paul St John	Claverham		GB	

US-CL-CURRENT: 704/270

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 23. Document ID: US 20020154179 A1

L27: Entry 23 of 36

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020154179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020154179 A1

TITLE: Distinguishing real-world sounds from audio user interface sounds

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	
Coles, Alistair Neil	Bath		GB	
Tucker, Roger Cecil Ferry	Monmouthshire		GB	

US-CL-CURRENT: 1/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 24. Document ID: US 20020151997 A1

L27: Entry 24 of 36

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151997

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020151997 A1

TITLE: Audio user interface with mutable synthesised sound sources

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Malmesbury		GB	
Coles, Alistair Neil	Bath		GB	

US-CL-CURRENT: 700/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 25. Document ID: US 20020151996 A1

L27: Entry 25 of 36

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151996
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020151996 A1

TITLE: Audio user interface with audio cursor

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	
Coles, Alistair Neil	Bath		GB	

US-CL-CURRENT: 700/94; 381/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 26. Document ID: US 20020150257 A1

L27: Entry 26 of 36

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150257
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150257 A1

TITLE: Audio user interface with cylindrical audio field organisation

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Malmesbury		GB	
Coles, Alistair Neil	Bath		GB	

US-CL-CURRENT: 381/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 27. Document ID: US 20020150256 A1

L27: Entry 27 of 36

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150256
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150256 A1

TITLE: Audio user interface with audio field orientation indication

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belrose, Guillaume	Bristol		GB	
Bijsmans, Jeroen Geert	Oegstgeest		NL	

US-CL-CURRENT: 381/17; 381/18, 381/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 28. Document ID: US 20020150254 A1

L27: Entry 28 of 36

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150254

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150254 A1

TITLE: Audio user interface with selective audio field expansion

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Malmesbury		GB	
Coles, Alistair Neil	Bath		GB	

US-CL-CURRENT: 381/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 29. Document ID: US 20020147586 A1

L27: Entry 29 of 36

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147586

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147586 A1

TITLE: Audio announcements with range indications

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belrose, Guillaume	Bristol		GB	

US-CL-CURRENT: 704/233

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 30. Document ID: US 20020143414 A1

L27: Entry 30 of 36

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143414

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143414 A1

TITLE: Facilitation of clear presentation in audio user interface

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	

US-CL-CURRENT: 700/94; 381/92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn De
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☐ 31. Document ID: US 20020141597 A1**Using default format because multiple data bases are involved.**

L27: Entry 31 of 36

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020141597

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020141597 A1

TITLE: Audio user interface with selectively-mutable synthesised sound sources

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilcock, Lawrence	Wiltshire		GB	

US-CL-CURRENT: 381/61; 381/56

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw. D.
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☐ 32. Document ID: US 20020140745 A1

L27: Entry 32 of 36

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020140745

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020140745 A1

TITLE: Pointing systems for addressing objects

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellenby, Thomas William	San Francisco	CA	US	
Ellenby, John	San Francisco	CA	US	
Ellenby, Peter Malcolm	San Francisco	CA	US	
Jay, Jeffrey Alan	Petaluma	CA	US	
Page, Joseph	La Jolla	CA	US	

US-CL-CURRENT: 715/848; 345/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 33. Document ID: US 20020130953 A1

L27: Entry 33 of 36

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020130953

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020130953 A1

TITLE: Enhanced display of environmental navigation features to vehicle operator

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Riconda, John	Valley Stream	NY	US	
Geshwind, David Michael	New York	NY	US	

US-CL-CURRENT: 348/115; 348/148, 382/104, 382/254

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 34. Document ID: US 20020012156 A1

L27: Entry 34 of 36

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012156

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012156 A1

TITLE: Electrochromic polymeric solid films, manufacturing electrochromic devices using such solid films, and processes for making such solid films and devices

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Varaprasad, Desaraju V.	Holland	MI	US	
Zhao, Mingtang	Holland	MI	US	
Dornan, Craig Allen	Grand Haven	MI	US	
Agrawal, Anoop	Tucson	AZ	US	
Allemand, Pierre-Marc	Tucson	AZ	US	
Lynam, Niall R.	Holland	MI	US	

US-CL-CURRENT: 359/273; 359/274, 359/275

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 35. Document ID: US 20020005297 A1

L27: Entry 35 of 36

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020005297
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020005297 A1

TITLE: Underground boring machine employing solid-state inertial navigation control system and method

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Alft, Kevin L.	Pella	IA	US	
Draper, Gregory W.	Pella	IA	US	
Kelpe, Hans	Pella	IA	US	

US-CL-CURRENT: 175/26; 175/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 36. Document ID: US 20020003571 A1

L27: Entry 36 of 36

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020003571
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020003571 A1

TITLE: Video mirror systems incorporating an accessory module

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schofield, Kenneth	Holland	MI	US	
O'Brien, Frank	Holland	MI	US	
Bingle, Robert L.	Holland	MI	US	
Lynam, Niall R.	Holland	MI	US	

US-CL-CURRENT: 348/148

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 1. Document ID: US 6230081 B1

L7: Entry 1 of 5

File: USPT

May 8, 2001

US-PAT-NO: 6230081

DOCUMENT-IDENTIFIER: US 6230081 B1

TITLE: Information system for golf carts and system for calculation of use and/or acquisition of use data

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. De
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☐ 2. Document ID: US 5822515 A

L7: Entry 2 of 5

File: USPT

Oct 13, 1998

US-PAT-NO: 5822515

DOCUMENT-IDENTIFIER: US 5822515 A

TITLE: Correction of uncommanded mode changes in a spacecraft subsystem

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. De
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☐ 3. Document ID: US 5646845 A

L7: Entry 3 of 5

File: USPT

Jul 8, 1997

US-PAT-NO: 5646845

DOCUMENT-IDENTIFIER: US 5646845 A

TITLE: System and method for controlling an autonomously navigated vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. De
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☐ 4. Document ID: US 5646843 A

L7: Entry 4 of 5

File: USPT

Jul 8, 1997

US-PAT-NO: 5646843

DOCUMENT-IDENTIFIER: US 5646843 A

TITLE: Apparatus and method for surface based vehicle control system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWIC	Draw D
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☐ 5. Document ID: US 5640323 A

L7: Entry 5 of 5

File: USPT

Jun 17, 1997

US-PAT-NO: 5640323

DOCUMENT-IDENTIFIER: US 5640323 A

TITLE: System and method for operating an autonomous navigation system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWIC	Draw D
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L7: Entry 1 of 5

File: USPT

May 8, 2001

DOCUMENT-IDENTIFIER: US 6230081 B1

TITLE: Information system for golf carts and system for calculation of use and/or acquisition of use data

Detailed Description Text (18):

When the equipment provider has many branch offices or markets the equipment item at many different locations, the base stations at these locations are preferably interconnected via the telephone system 28 to a central server 30 which updates in the base station usage data, such as e.g. price of usage, thus ensuring uniform accounting.

Current US Original Classification (1):701/1[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

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L7: Entry 1 of 5

File: USPT

May 8, 2001

US-PAT-NO: 6230081

DOCUMENT-IDENTIFIER: US 6230081 B1

TITLE: Information system for golf carts and system for calculation of use and/or acquisition of use data

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Albertshofer; Christian	D.85276 Pfaffenhofen			DE

APPL-NO: 09/ 125063 [\[PALM\]](#)

DATE FILED: August 7, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	196 05 682	February 15, 1996
DE	296 16 667 U	September 27, 1996

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102 (E) -DATE
PCT/DE97/00327	February 15, 1997	WO97/29810	Aug 21, 1997	Aug 7, 1998	Aug 7, 1998

INT-CL: [07] [G06 F 7/00](#), [G06 F 17/00](#)

US-CL-ISSUED: 701/1; 705/32, 705/52, 235/375, 235/378, 235/380

US-CL-CURRENT: [701/1](#); [235/375](#), [235/378](#), [235/380](#), [705/32](#), [705/52](#)

FIELD-OF-SEARCH: 701/1, 340/825.31, 340/825.34, 340/991, 340/992, 235/375, 235/378, 235/380, 235/382, 235/382.5, 235/435, 705/50, 705/52, 705/30, 705/32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5044634	September 1991	Dudley	273/32R
<input type="checkbox"/>	5289369	February 1994	Hirshberg	705/13
<input type="checkbox"/>	5438319	August 1995	Zeytoonjian et al.	340/571

☐ 5438518 August 1995 Bianco et al. 364/460

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
657 329	August 1986	CH	
2 535 491	May 1984	FR	
2 178 211	February 1987	GB	
2 280 509	February 1995	GB	

ART-UNIT: 361

PRIMARY-EXAMINER: Cuchlinski, Jr.; William A.

ASSISTANT-EXAMINER: Beaulieu; Yonel

ATTY-AGENT-FIRM: Smith-Hill and Bedell

ABSTRACT:

The invention concerns an information system for displaying in a vehicle used to transport at least one person playing golf. This system comprises a base station which is located in the area of a club or a course and which has a control and a memory for the acquisition of travel data and other information; a control unit arranged in the vehicle which has at least a first control logic for processing and displaying the travel data and a second control logic for processing and displaying further information on a graphic display arranged in the vehicle; an interface provided at both the base station and the vehicle for the transmission of at least travel data and further information between the base station and the control unit, where the control unit compares the travel data transmitted and/or generated by the operation of the vehicle with predetermined reference values and, depending on the result of the comparison, stores/changes and/or displays actual travel data on the display and/or directly affects the operation of the vehicle, and the second control logic displays the additional information on the graphic display depending on the travel data and/or the operating state of the vehicle. The invention also concerns a chip-card based accounting system for driven machines and vehicles, especially golf carts.

23 Claims, 1 Drawing figures

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